Theoretical Computer Science
Logic, semantics and theory of programming

Volume 222, Numbers 1–2, 6 July 1999

Abstracted/Indexed in: ACM Computing Reviews, Compuscience, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Engineering Index/Compendex, INSPEC Information Services, Mathematical Reviews, Zentralblatt für Mathematik

Contents

Fundamental Study

S. Abramsky, S.J. Gay and R. Nagarajan
A specification structure for deadlock-freedom of synchronous processes 1

Contributions

P. Cegielski and D. Richard
On arithmetical first-order theories allowing encoding and decoding of lists 55

G. Filé and F. Ranzato
The powerset operator on abstract interpretations 77

F. Cao and A. Borchers
Optimal transmission schedules for lightwave networks embedded with de Bruijn graphs 113

Y. Gurevich and A. Voronkov
Monadic simultaneous rigid *E*-unification 133

E. Marchiori
Design of abstract domains using first-order logic 153

Notes

L. Colson
On diagonal fixed points of increasing functions 181

C. Dufourd and A. Finkel
A polynomial λ-bisimilar normalization for reset Petri nets 187

Contents EATCS Bulletin Number 67 195

Author index volume 222 199